CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/913,772

ENTERED

CRF Processing Date: _____ 2003
Edited by: _____
Verified by: _____ (STIC staff)

RECEIVED
APR 15 2003
TECH CENTER 1600/2900

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____ :

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other: _____
_____
_____
_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

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[barcode]

TECH CENTER 1600/2900

APR 15 2003

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/913,772**

DATE: 04/10/2003
TIME: 10:27:20

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF4\04102003\I913772.raw**

```
     3 <110> APPLICANT: RENNO Toufic
     4        BONNEFOY Jean-Yves
     6 <120> TITLE OF INVENTION: USE OF AN ENTEROBACTERIUM OmpA PROTEIN ASSOCIATED WITH AN
     7        ANTIGEN FOR GENERATING AN ANTIVIRAL, ANTIPARASITIC OR
     8        ANTITUMORAL CYTOTOXIC RESPONSE
    10 <130> FILE REFERENCE: D 17921
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/913,772
C--> 13 <141> CURRENT FILING DATE: 2001-08-16
    15 <150> PRIOR APPLICATION NUMBER: FR 99 01917
    16 <151> PRIOR FILING DATE: 1999-02-17
    18 <160> NUMBER OF SEQ ID NOS: 4
    20 <170> SOFTWARE: PatentIn Ver. 2.1
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 1035
    24 <212> TYPE: DNA
    25 <213> ORGANISM: Klebsiella pneumoniae
    27 <220> FEATURE:
    28 <221> NAME/KEY: exon
    29 <222> LOCATION: (1)..(1032)
    31 <220> FEATURE:
    32 <221> NAME/KEY: intron
    33 <222> LOCATION: (1033)..(1035)
    35 <220> FEATURE:
    36 <221> NAME/KEY: CDS
    37 <222> LOCATION: (1)..(1032)
    39 <400> SEQUENCE: 1
    40 .atg aaa gca att ttc gta ctg aat gcg gct ccg aaa gat aac acc tgg      48
    41 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
    42  1               5                  10                  15
    44 tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc      96
    45 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
    46               20                  25                  30
    48 tac ggt aac ggt ttc cag aac aac aac ggt ccg acc cgt aac gat cag     144
    49 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
    50               35                  40                  45
    52 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt     192
    53 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
    54        50                  55                  60
    56 ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc     240
    57 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
    58  65                  70                  75                  80
    60 gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa     288
    61 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
```

```
62                  85                  90                          95
64 ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc    336
65 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
66              100                 105                 110
68 ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc    384
69 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
70          115                 120                 125
72 gtt tcc cgt agc gaa cac gac act ggc gtt tcc cca gta ttt gct ggc    432
73 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
74      130                 135                 140
76 ggc gta gag tgg gct gtt act cgt gac atc gct acc cgt ctg gaa tac    480
77 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
78 145                 150                 155                 160
80 cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct    528
81 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
82                  165                 170                 175
84 gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa    576
85 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
86              180                 185                 190
88 gat gct gca ccg gtt gtt gct ccg gct ccg gct ccg gct ccg gaa gtg    624
89 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val
90          195                 200                 205
92 gct acc aag cac ttc acc ctg aag tct gac gtt ctg ttc aac ttc aac    672
93 Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
94      210                 215                 220
96 aaa gct acc ctg aaa ccg gaa ggt cag cag gct ctg gat cag ctg tac    720
97 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
98 225                 230                 235                 240
100 act cag ctg agc aac atg gat ccg aaa gac ggt tcc gct gtt gtt ctg    768
101 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
102                 245                 250                 255
104 ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct    816
105 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
106              260                 265                 270
108 gag aaa cgt gct cag tcc gtt gtt gac tac ctg gtt gct aaa ggc atc    864
109 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
110          275                 280                 285
112 ccg gct ggc aaa atc tcc gct cgc ggc atg ggt gaa tcc aac ccg gtt    912
113 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
114      290                 295                 300
116 act ggc aac acc tgt gac aac gtg aaa gct cgc gct gcc ctg atc gat    960
117 Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
118 305                 310                 315                 320
120 tgc ctg gct ccg gat cgt cgt gta gag atc gaa gtt aaa ggc tac aaa   1008
121 Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
122                 325                 330                 335
124 gaa gtt gta act cag ccg gcg ggt taa                              1035
125 Glu Val Val Thr Gln Pro Ala Gly
126              340
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/913,772

DATE: 04/10/2003
TIME: 10:27:20

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\04102003\I913772.raw

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129 <210> SEQ ID NO: 2
130 <211> LENGTH: 344
131 <212> TYPE: PRT
132 <213> ORGANISM: Klebsiella pneumoniae
134 <400> SEQUENCE: 2
135 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
136   1               5                  10                  15
138 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
139              20                  25                  30
141 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
142          35                  40                  45
144 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
145      50                  55                  60
147 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
148  65                  70                  75                  80
150 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
151              85                  90                  95
153 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
154              100                 105                 110
156 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
157          115                 120                 125
159 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
160      130                 135                 140
162 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
163 145                 150                 155                 160
165 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
166              165                 170                 175
168 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
169              180                 185                 190
171 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Glu Val
172          195                 200                 205
174 Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
175      210                 215                 220
177 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
178 225                 230                 235                 240
180 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
181              245                 250                 255
183 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
184              260                 265                 270
186 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
187          275                 280                 285
189 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
190      290                 295                 300
192 Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
193 305                 310                 315                 320
195 Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
196              325                 330                 335
198 Glu Val Val Thr Gln Pro Ala Gly
199              340
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RAW SEQUENCE LISTING   DATE: 04/10/2003
PATENT APPLICATION: US/09/913,772   TIME: 10:27:20

Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\04102003\I913772.raw

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203 <210> SEQ ID NO: 3
204 <211> LENGTH: 10
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Peptide derived from the Mart-1/MelanA antigen expressed by
210        melanoma cells.
212 <400> SEQUENCE: 3
213 Glu Leu Ala Gly Ile Gly Ile Leu Thr Val
214   1               5                   10
217 <210> SEQ ID NO: 4
218 <211> LENGTH: 8
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Derivative of tyrosinase-related protein 2 (TRP-2).
225 <400> SEQUENCE: 4
226 Val Tyr Asp Phe Phe Val Trp Leu
227   1               5
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VERIFICATION SUMMARY   DATE: 04/10/2003
PATENT APPLICATION: **US/09/913,772**   TIME: 10:27:21

    Input Set : **A:\PTO.AMC.TXT**
    Output Set: **N:\CRF4\04102003\I913772.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

1600

RAW SEQUENCE LISTING   DATE: 04/08/2003
PATENT APPLICATION: **US/09/913,772**   TIME: 12:19:17

Input Set : **A:\Pf94seq.txt**
Output Set: **N:\CRF4\04082003\I913772.raw**

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   3 <110> APPLICANT: RENNO Toufic
   4        BONNEFOY Jean-Yves
   6 <120> TITLE OF INVENTION: USE OF AN ENTEROBACTERIUM OmpA PROTEIN ASSOCIATED WITH AN
   7        ANTIGEN FOR GENERATING AN ANTIVIRAL, ANTIPARASITIC OR
   8        ANTITUMORAL CYTOTOXIC RESPONSE
  10 <130> FILE REFERENCE: D 17921
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/913,772
C--> 13 <141> CURRENT FILING DATE: 2001-08-16
  15 <150> PRIOR APPLICATION NUMBER: FR 99 01917
  16 <151> PRIOR FILING DATE: 1999-02-17
  18 <160> NUMBER OF SEQ ID NOS: 4
  20 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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 217 <210> SEQ ID NO: 4                          Does Not Comply
 218 <211> LENGTH: 8                        Corrected Diskette Needed
 219 <212> TYPE: PRT
 220 <213> ORGANISM: Homo sapiens
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Derivative of tyrosinase-related protein 2 (TRP-2).
 225 <400> SEQUENCE: 4
 226 Val Tyr Asp Phe Phe Val Trp Leu
 227    1              5
E--> 230 (1
E--> 232  1)
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VERIFICATION SUMMARY   DATE: 04/08/2003
PATENT APPLICATION: **US/09/913,772**   TIME: 12:19:18

Input Set : **A:\Pf94seq.txt**
Output Set: **N:\CRF4\04082003\I913772.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:230 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:4
M:332 Repeated in SeqNo=4